

WHAT IS CLAIMED IS:

1           1.     A display system for a handheld computing device, the  
2     display system comprising:  
3                 a visual display having a communications transceiver;  
4                 a processing unit having a communications transceiver and  
5     sending display data to the transceiver of the visual display;  
6                 a first power source for the processing unit; and  
7                 a second power source for the visual display, wherein the  
8     visual display is physically separable from the processing unit while  
9     displaying information according to communications from the processing  
10    unit between the visual display transceiver and the processing unit  
11    transceiver.

1           2.     The display system of claim 1, wherein the visual display  
2     includes random access memory (RAM) and a processing unit (CPU).

1           3.     The display system of claim 2, wherein the visual display  
2     CPU receives information over the wireless connection from the handheld  
3     computing device and stores the information in the visual display RAM.

1           4.     The display system of claim 3, where the information  
2     communicated from the processing unit to the visual display includes  
3     information necessary to display the current display image and  
4     information related to the current display image.

1           5.     The display system of claim 4, wherein the information  
2     communicated from the processing unit to the visual display is web pages  
3     that have links in the current display.

1           6.     The display system of claim 4, wherein the information  
2     communicated from the processing unit to the visual display is the  
3     contents of a drop down menu provided in the current display.

1           7.     The display system of claim 4, wherein the information  
2     communicated from the processing unit to the visual display include  
3     images associated with thumbnail images displayed in the current display.

1           8.     The display system of claim 2, wherein the visual display  
2     includes a display screen having input capabilities.

1           9.     The display system of claim 1, wherein the visual display  
2     includes display screen that is flexible.

1           10.    The display system of claim 1, wherein the visual display  
2     includes a display screen that is expandable.

1           11.    The display system of claim 10, wherein the display system  
2     includes display drivers capable of updating screen resolution and screen  
3     display size based upon the current expansion of the display screen.

1           12.    The display system of claim 1, wherein the communications  
2     transceivers send and receive information using a custom wireless  
3     communication protocol.

1           13.    The display system of claim 1, wherein the display system  
2     includes an alternative communication system to optionally provide wired  
3     communication between the display system and the handheld computing  
4     device.

1           14. A handheld computing device comprising:  
2               a detachable display system including a wireless transceiver;  
3               a processor;  
4               a wireless transceiver coupled to the processor and  
5       communicating with the display system transceiver; and  
6               an information storage system.

1           15. The handheld computing device of claim 14, wherein the  
2       display system includes a flexible screen display.

1           16. The handheld computing device of claim 14, further  
2       comprising:  
3               a first power source associated with powering the processor;  
4       and  
5               a second power source associated with powering the  
6       detachable display system.

1           17. The handheld computing device of claim 16, wherein the  
2       second power source is lighter in weight than the first power source.

1           18. The handheld computing device of claim 14, wherein the  
2       display system includes Random Access Memory (RAM) memory.

1           19. The handheld computing device of claim 18, wherein the  
2       transceiver transmits information related to current display screen  
3       information to the display system to store in the display system RAM  
4       while the current display screen information is being viewed.

1           20.   A computing system, comprising:  
2                   a processing unit, the processing unit including a first  
3   processor, a first transceiver coupled to the first processor, a first  
4   memory coupled to the first processor, and a first power source coupled  
5   to the first processor;  
6                   a first display unit, the first display unit including a first  
7   display area, a second processor, a second transceiver coupled to the  
8   second processor and communicating with the first transceiver, a second  
9   memory coupled to the second processor, and a second power source  
10   coupled to the second processor; and  
11                  a second display unit, the second display unit including a  
12   second display area, a third processor, a third transceiver coupled to the  
13   third processor and configured for communications with the first  
14   transceiver, and a third power source coupled to the third processor;  
15                  wherein the first display unit and the second display unit may  
16   be interchangeably used with the processing unit.

1           21.   The computer system of claim 20, wherein the processing  
2   unit is a handheld computing device.

1           22.   The computer system of claim 20, wherein the first display  
2   unit requires a second power source that is lighter weight than the third  
3   power source.

1           23.   The computer system of claim 20, wherein the first display  
2   unit is a ruggedized display unit.

1           24.   The computer system of claim 20, wherein the first display  
2   area is a high resolution display and the second display area is a lower  
3   resolution display area.

1           25. The computer system of claim 20, wherein the first display  
2 unit is a non-flexible display unit and the second display unit is at least  
3 one of a flexible display unit and a foldable display unit.

1           26. A method of displaying data from a handheld computing  
2 device on a detached visual display unit, the method comprising:  
3           wirelessly communicating primary images to the visual  
4 display unit;  
5           displaying primary images on a visual display of the visual  
6 display unit while loading secondary images into a visual display unit  
7 memory; and  
8           allowing a user of the handheld computing device to access  
9 secondary images.

1           27. The method of claim 26, wherein the primary images  
2 provides links to the secondary images to facilitate access.

1           28. The method of claim 27, wherein the links are hyperlinks.